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FORM PTO-1449	ATTY. DOCKET NO. SERIAL NO. 1-1-0065.10US 10/663,240		
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	APPLICANT Bolgiano et al.		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	FILING DATE September 16, 2003	GROUP 2475	
(Use several sheets if necessary)			

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/RW/	3,714,573	01/1973	Grossman			
0000000	4,081,748	03/1978	Batz			
0000000	4,099,121	07/1978	Fang			
***************************************	4,128,809	12/1978	Kage			
2000	4,426,712	01/1984	Gorski-Popiel			
000	4,530,087	07/1985	Yamamoto			
000	4,599,734	07/1986	Yamamoto			
000000000000000000000000000000000000000	4,644,351	02/1987	Zabarsky			
000	4,675,863	06/1987	Paneth et al.			
000	4,727,590	02/1988	Kawano et al.			
000	4,780,885	10/1988	Paul et al.			
000000000000000000000000000000000000000	4,799,252	01/1989	Eizenhoffer et al.			
000	4,901,307	02/1990	Gilhousen et al.			
000	5,031,193	07/1991	Atkinson et al.			
***************************************	5,043,736	08/1991	Darnell et al.			
***************************************	5,046,066	09/1991	Messenger			
00000	5,056,106	10/1991	Wang et al.			
000000000000000000000000000000000000000	5,058,200	10/1991	Huang et al.			
000000000000000000000000000000000000000	5,068,916	11/1991	Harrison et al.			
0000	5,081,641	01/1992	Kotzin et al.			
X00000	5,081,643	01/1992	Schilling			
0000000	5,088,108	02/1992	Uddenfeldt et al.			
000000000000000000000000000000000000000	5,097,484	03/1992	Akaiwa			
193000000	5,101,501	03/1992	Gilhousen et al.			
V	5,103,459	04/1992	Gilhousen et al.			
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> **FORM PTO-1449** ATTY. DOCKET NO. SERIAL NO. I-1-0065.10US 10/663,240 U.S. DEPARTMENT OF COMMERCE **APPLICANT** PATENT AND TRADEMARK OFFICE Bolgiano et al. INFORMATION DISCLOSURE FILING DATE **GROUP** STATEMENT BY APPLICANT 2475 September 16, 2003 (Use several sheets if necessary)

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/RW/	5,109,390	04/1992	Gilhousen et al.			
0000	5,124,915	06/1992	Krenzel			
***************************************	5,128,925	07/1992	Dornstetter et al. <sup>13</sup>			
000000000000000000000000000000000000000	5,155,689	10/1992	Wortham			
0000	5,164,942	11/1992	Kamerman et al.			
	5,166,951	11/1992	Schilling			
00000	5,177,765	1/5/1993	Holland et al.			
	5,193,101	09/1993	McDonald et al.			
	5,203,018	04/1993	Hirose			
	5,208,756	05/1993	Song			
	5,214,789	05/1993	George			
	5,218,367	06/1993	Sheffer et al.			
000000000000000000000000000000000000000	5,218,618	06/1993	Sagey			
000000000000000000000000000000000000000	5,223,844	06/1993	Mansell et al.			
***************************************	5,227,802	07/1993	Pullman			
200000000000000000000000000000000000000	5,235,633	08/1993	Nass et al.			
000000000000000000000000000000000000000	5,247,356	09/1993	Ciampa			
000000000000000000000000000000000000000	5,260,943	11/1993	Comroe et al.			
00000000	5,260,967	11/1993	Schilling			
000000000000000000000000000000000000000	5,280,472	01/1994	Gilhousen et al.			
	5,283,767	02/1994	McCoy			
	5,289,499	02/1994	Weerackody			
	5,289,527	02/1994	Tiedemann, Jr.			
200000000000000000000000000000000000000	5,293,645	03/1994	Sood et al.1			
30000000	5,297,162	03/1994	Lee et al.			
V	5,305,353	04/1994	Weerackody			

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/RW/	5,321,696	04/1994	Buchholz et al.			
200000000000000000000000000000000000000	5,323,384	06/1994	Norwood			
000000000000000000000000000000000000000	5,329,530	07/1994	Kojima			
000000000000000000000000000000000000000	5,345,467	09/1994	Lomp et al.			
00000000	5,347,535	09/1994	Karasawa et al.			
XX	5,365,516	11/1994	Jandrell <sup>11</sup>			
00000	5,367,539	11/1994	Copley			
0,000,000	5,371,734	12/1994	Fischer			
0000000	5,371,780	12/1994	Amitay			
0.0000000000000000000000000000000000000	5,373,502	12/1994	Turban			
000000	5,390,166	02/1995	Rohani et al.			
	5,420,883	05/1995	Swensen et al.			
	5,430,769	07/1995	Patsiokas et al.			
20000000	5,442,625	08/1995	Gitlin et al.			
00000000	5,479,448	12/1995	Seshadri			
000000000000000000000000000000000000000	5,481,533	1/1996	Honig et al.			
000000000000000000000000000000000000000	5,483,244	01/1996	Grube et al.			
000000000000000000000000000000000000000	5,483,668	01/1996	Malkamaki et al.			
000	5,506,863	4/9/1996	Meidan et al.			
X	5,513,176	04/1996	Dean et al.			
000000000000000000000000000000000000000	5,533,011	07/1996	Dean et al.			
0000	5,533,013	07/1996	Leppanen			
0000	5,553,076	9/3/1996	Behtash et al.			
8000000	5,584,057	12/1996	Dent			
	5,594,737	01/1997	Pillekamp et al. <sup>7</sup>			
V	5,614,914	03/1997	Bolgiano et al.			

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/RW	5,625,876	04/1997	Gilhousen et al.				
0000	5,663,990	09/1997	Bolgiano et al.				
8	5,684,793	11/1997	Kiema et al.				
	5,712,868	01/1998	Stern et al.12				
	5,748,669	05/1998	Yada				
2000	5,761,196	6/2/1998	Ayerst et al.				
	5,781,541	07/1998	Schnieder				
	5,859,879	01/1999	Bolgiano et al.				
000000000000000000000000000000000000000	5,881,094	03/1999	Schilling				
	5,912,644	06/1999	Wang				
	6,175,308	01/2001	Tallman et al.				
V	6,747,969	06/2007	Hirsch				
•		FOREIGN PATE	NT DOCUMENTS				
XAMINER INITIAL							SLATION
/F334// *	0459823	04/1991	COUNTRY	CLASS	SUBCLASS	YES	NO
/RW/ *	0528090	02/1993	EP	+			
	2237706	05/1993	GB	+			
	2259430	03/1993	GB GB				
	05-276210	10/1993		+		X**	
8	06-244814	09/1994				/ X**	
000		09/1994	 JР			^ X**	
	1-233930 63-237636	10/1998	JP 			X**	
8000	H01-314443	12/1989	JP 			X**	
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	H02-3007 H02-302133	01/1990 06/1992	JP  JP			X	
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1376160ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /RW/ Receipt date: 09/21/2010 10663

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EXAMINER INITIAL						TRANS	SLATION
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/RW/	H03-177669	08/1991	JP			Χ	
000	H03-235077	10/1991	JP				I
000000000	H05-244051	09/1993	JP			X**	
000000000000000000000000000000000000000	H06-097914	04/1994	JP			X**	
000000000000000000000000000000000000000	S53-109328	08/1978	JP			Χ	
0000	S63-065723	09/1989	JP			Х	
0000	S63-274236	11/1988	JP			X**	
00000	S63-286027	11/1988	JP			Х	
0000	S63-286072	11/1988	JP			X**	
0000	H05-211470	08/1993	JP <sup>2</sup>			X**	
0000	H04-502844	08/1993	JP <sup>3</sup>			Χ	
00000	H06-501349	01/1992	JP <sup>5</sup>			Х	
0000	H03-094851	09/1991	JP				Х
0000	05-102943	04/1993	JP			X**	
8	05-227124	09/1993	JP			X**	
0000	199107036	05/1991	WO <sup>4</sup>				
	199200639	01/1992	WO6				
	199210890	06/1992	WO				
8	199306669	04/1993	WO				
	199608908	03/1996	WO8				
8	199833346	07/1998	MO <sub>9</sub>				
$\overline{f V}$	199939455	08/1999	WO <sup>10</sup>				
* '	•	OTHER DOC	CUMENTS	•	•		
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(Use several sheets if necessary)			

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/RW/	"Mobile Station-Base Station Compatibility Standard for Dual-Mode Wideband Spread Spectrum Cellular System", TIA/EIA/IS-95-A, TIA Interim Standard, (May 1995). Pgs 1-100
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/RW/	GHASSMZADEH ET AL., "Indoor Propagation and Fading Characterization of Spread Spectrum Signal at 2 GHz," IEEE, pgs. 56-60, (1992).	
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0,000,000,000,000,000,000	LOPES, "Combined Space/Time Diversity Techinique for Narrowband TDMA Mobile Radio Systems," IEEE Electronics Letters, Vol. 25, pp. 1001-1002 (May 1989).	
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/RW	//	SESHADRI ET AL., "Two Signaling Schemes For Improving The Error Performance Of Frequency-Division-Duplex (FDD) Transmission Systems Using Transmitter Antenna Diversity," Secaucus, NJ, New York, IEEE, US, pgs 508-511, (May 18, 1993).	
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 $<sup>^1</sup>$  Corresponds to JP H05-211470;  $^2$  Corresponds to US 5,293,645;  $^3$  Corresponds to WO 199107036;  $^4$  Corresponds to JP H04-502844;  $^5$  Corresponds to WO 199200639;  $^6$  Corresponds to H06-501349;  $^7$  Corresponds to WO 94/10812;  $^8$  Corresponds to JP 10-509287;  $^9$  Corresponds to JP 2000-507431;  $^{10}$  Corresponds to JP 2002-502182;  $^{11}$  Corresponds to JP 7-502153 and WO 93/04453;  $^{12}$  Corresponds to JP 6-510656 and WO 94/01956;  $^{13}$  Corresponds to EP 0398 773.

## X\*\* Abstract only

† English abstract not available. A copy of the document in Japanese has been provided, in addition to the search report in which is was cited.

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